

RAW SEQUENCE LISTING

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Application Serial Number: 10/584, 024
Source: IFWP
Date Processed by STIC: 07/06/2006

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IFWP

RAW SEQUENCE LISTING

DATE: 07/06/2006

PATENT APPLICATION: US/10/584,024

TIME: 13:52:18

Input Set : A:\1187-30.st25.txt

Output Set: N:\CRF4\07062006\J584024.raw

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3 <110> APPLICANT: CropDesign N.V.
5 <120> TITLE OF INVENTION: Plants having increased yield and method for making the same
7 <130> FILE REFERENCE: 1187-31
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/584,024
C--> 9 <141> CURRENT FILING DATE: 2006-06-22
9 <150> PRIOR APPLICATION NUMBER: PCT/EP2004/053683
10 <151> PRIOR FILING DATE: 2004-12-22
12 <150> PRIOR APPLICATION NUMBER: US 60/532,287
13 <151> PRIOR FILING DATE: 2003-12-22
15 <160> NUMBER OF SEQ ID NOS: 5
17 <170> SOFTWARE: PatentIn version 3.3
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 1311
21 <212> TYPE: DNA
22 <213> ORGANISM: Arabidopsis thaliana
25 <220> FEATURE:
26 <221> NAME/KEY: misc_feature
27 <223> OTHER INFORMATION: A variant of the coding sequence of the sequence deposited
under
28     accession number NM_121168 contains a G instead of C on position
29     851 and a T instead of C on position 1295
31 <400> SEQUENCE: 1
32 atgtattgct cttcttcgat gcatccaaat gcaaacaaag aaaatatctc tacttcagat      60
34 gtacaggaga gttttgtacg aataacgaga tcacgagcta aaaaagccat ggaagagga      120
36 gtatcaatac ctccaacaaa accttctttt aaacagcaaa agagacgtgc agtacttaag      180
38 gatgtgagta atacctctgc agatattatt tattcagaac ttcgaaaagg aggcaacatc      240
40 aaggcaaaaca gaaaatgtct aaaagagcct aaaaaagcag caaaggaagg tgctaacagt      300
42 gccatggata ttctggtaga tatgcataca gaaaaatcaa aattagcaga agatttgtcc      360
44 aagatcagga tggctgaagc ccaagatgtc tctctttcaa actttaaaga tgaagaaatt      420
46 actgagcaac aagaagatgg atcaggtgtc atggagttac ttcaagttgt agatattgat      480
48 tccaacgtcg aagatccaca gtgttgacgc ttgtatgctg ctgatatata tgacaacata      540
50 catgttgacg agcttcaaca acgacccttg gctaattata tggagcttgt gcagcgagat      600
52 atcgaccagc acatgagaaa gattctgatt gactggcttg tagaagtttc tgacgactac      660
54 aagctgggtc cagatacgct ttaccttaca gtgaatctta tcgaccgggt tctgtccaac      720
56 agttacattg aaaggcaaaag actccagctc cttggtgtct cttgcatgct tatagcttca      780
58 aaatatgaag agctttccgc accaggggtg gaggagtttt gcttcattac ggccaacaca      840
60 tacacaagac cagaagtgtc gagcatggag attcaaattc taaattttgt gcactttaga      900
62 ttatcgggtc ctaccaccaa aacattttctg aggcggttca ttaaagcagc tcaagcttcg      960
64 tacaaggtgc ctttcattga actggagtat ttagcaaact atctcgccga attgacactg      1020
66 gtggaatata gtttcctaag gttcctgcca tcactaattg ctgcttcagc tgttttccta      1080
68 gcccgatgga cactcgacca aactgacct ccttggaacc ctactctgca acactacacc      1140
70 agatatgagg tagctgagct gaagaacaca gttctcgcca tggaggactt gcagctcaac      1200
72 accagtggtc gtactctcgc tgccaccgtg gagaaataca accaaccaaa gtttaagagc      1260
74 gtggcaaaagc tgacatctcc caaacgagtc acatcactat tctcaagatg a          1311

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77 <210> SEQ ID NO: 2
78 <211> LENGTH: 436
79 <212> TYPE: PRT
80 <213> ORGANISM: Arabidopsis thaliana
83 <220> FEATURE:
84 <221> NAME/KEY: MISC_FEATURE
85 <223> OTHER INFORMATION: A variant of the sequence deposited under accession number
86     NP_568248 contains an arginine instead of a proline on position
87     284 and a phenylalanine instead of a serine on position 432
89 <400> SEQUENCE: 2
91 Met Tyr Cys Ser Ser Ser Met His Pro Asn Ala Asn Lys Glu Asn Ile
92 1           5           10           15
95 Ser Thr Ser Asp Val Gln Glu Ser Phe Val Arg Ile Thr Arg Ser Arg
96           20           25           30
99 Ala Lys Lys Ala Met Gly Arg Gly Val Ser Ile Pro Pro Thr Lys Pro
100          35           40           45
103 Ser Phe Lys Gln Gln Lys Arg Arg Ala Val Leu Lys Asp Val Ser Asn
104          50           55           60
107 Thr Ser Ala Asp Ile Ile Tyr Ser Glu Leu Arg Lys Gly Gly Asn Ile
108 65           70           75           80
111 Lys Ala Asn Arg Lys Cys Leu Lys Glu Pro Lys Lys Ala Ala Lys Glu
112           85           90           95
115 Gly Ala Asn Ser Ala Met Asp Ile Leu Val Asp Met His Thr Glu Lys
116          100          105          110
119 Ser Lys Leu Ala Glu Asp Leu Ser Lys Ile Arg Met Ala Glu Ala Gln
120          115          120          125
123 Asp Val Ser Leu Ser Asn Phe Lys Asp Glu Glu Ile Thr Glu Gln Gln
124          130          135          140
127 Glu Asp Gly Ser Gly Val Met Glu Leu Leu Gln Val Val Asp Ile Asp
128 145          150          155          160
131 Ser Asn Val Glu Asp Pro Gln Cys Cys Ser Leu Tyr Ala Ala Asp Ile
132          165          170          175
135 Tyr Asp Asn Ile His Val Ala Glu Leu Gln Gln Arg Pro Leu Ala Asn
136          180          185          190
139 Tyr Met Glu Leu Val Gln Arg Asp Ile Asp Pro Asp Met Arg Lys Ile
140          195          200          205
143 Leu Ile Asp Trp Leu Val Glu Val Ser Asp Asp Tyr Lys Leu Val Pro
144          210          215          220
147 Asp Thr Leu Tyr Leu Thr Val Asn Leu Ile Asp Arg Phe Leu Ser Asn
148 225          230          235          240
151 Ser Tyr Ile Glu Arg Gln Arg Leu Gln Leu Leu Gly Val Ser Cys Met
152          245          250          255
155 Leu Ile Ala Ser Lys Tyr Glu Glu Leu Ser Ala Pro Gly Val Glu Glu
156          260          265          270
159 Phe Cys Phe Ile Thr Ala Asn Thr Tyr Thr Arg Pro Glu Val Leu Ser
160          275          280          285
163 Met Glu Ile Gln Ile Leu Asn Phe Val His Phe Arg Leu Ser Val Pro
164          290          295          300
167 Thr Thr Lys Thr Phe Leu Arg Arg Phe Ile Lys Ala Ala Gln Ala Ser

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168 305          310          315          320
171 Tyr Lys Val Pro Phe Ile Glu Leu Glu Tyr Leu Ala Asn Tyr Leu Ala
172          325          330          335
175 Glu Leu Thr Leu Val Glu Tyr Ser Phe Leu Arg Phe Leu Pro Ser Leu
176          340          345          350
179 Ile Ala Ala Ser Ala Val Phe Leu Ala Arg Trp Thr Leu Asp Gln Thr
180          355          360          365
183 Asp His Pro Trp Asn Pro Thr Leu Gln His Tyr Thr Arg Tyr Glu Val
184          370          375          380
187 Ala Glu Leu Lys Asn Thr Val Leu Ala Met Glu Asp Leu Gln Leu Asn
188 385          390          395          400
191 Thr Ser Gly Cys Thr Leu Ala Ala Thr Arg Glu Lys Tyr Asn Gln Pro
192          405          410          415
195 Lys Phe Lys Ser Val Ala Lys Leu Thr Ser Pro Lys Arg Val Thr Ser
196          420          425          430
199 Leu Phe Ser Arg
200          435
203 <210> SEQ ID NO: 3
204 <211> LENGTH: 654
205 <212> TYPE: DNA
206 <213> ORGANISM: Oryza sativa
208 <400> SEQUENCE: 3
209 cttctacatc ggcttaggtg tagcaacacg actttattat tattattatt attattatta      60
211 ttatttttaca aaaatataaa atagatcagt cctcaccac aagtagagca agttgggtgag      120
213 ttattgtaaa gttctacaaa gctaatttaa aagttattgc attaacttat ttcattattac      180
215 aaacaagagt gtcaatggaa caatgaaaac catatgacat actataattht tgthttttatt      240
217 attgaaatta tataattcaa agagaataaaa tccacatagc cgtaaagttc tacatgtggt      300
219 gcattaccaa aatatatata gcttacaaaa catgacaagc ttagtttgaa aaattgcaat      360
221 ccttatcaca ttgacacata aagttagtga tgagtcataa tattattttc tttgctaccc      420
223 atcatgtata tatgatagcc acaaagttac tttgatgatg atatcaaaga acatttttag      480
225 gtgcacctaa cagaatatcc aaataatatg actcacttag atcataatag agcatcaagt      540
227 aaaactaaca ctctaaagca accgatggga aagcatctat aaatagacaa gcacaatgaa      600
229 aatcctcatc atccttcacc acaattcaaa tattatagtt gaagcatagt agta      654
232 <210> SEQ ID NO: 4
233 <211> LENGTH: 56
234 <212> TYPE: DNA
235 <213> ORGANISM: Artificial sequence
237 <220> FEATURE:
238 <223> OTHER INFORMATION: primer PRM582
240 <400> SEQUENCE: 4
241 ggggacaagt ttgtacaaaa aagcaggctt cacaatgtat tgctcttctt cgatgc      56
244 <210> SEQ ID NO: 5
245 <211> LENGTH: 52
246 <212> TYPE: DNA
247 <213> ORGANISM: Artificial sequence
249 <220> FEATURE:
250 <223> OTHER INFORMATION: primer PRM583
252 <400> SEQUENCE: 5
253 ggggaccact ttgtacaaga aagctgggtg cttgggtgtca tcttgagaat ag      52

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VERIFICATION SUMMARY

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Input Set : A:\1187-30.st25.txt

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L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date